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Sci ~ Chem

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Appearance of Pearl Chain Formation of Emulsion Particles Under the Influence of an Alternating Field, by Ernst Muth, 8 p.

GERMAN, per, *Molloid-Zeits.*, 1927, Vol. XLI, No 2

SLA 59-18233

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Some Methods for Producing Hydrosols, by A.Dumanski
GERMAN, per, Kolloid Zeitschrift, Vol. 41, 1927,
pp 108-111
CSIRO/ No. 6832

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336-002

On Colloidal and Molecularly Dispersed Solubility
and a Law of Peptization, by W. Ostwald.
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pp 163-169
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Sci -
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1934 V68 P152-157	70-226413 <*>
1935 V70 P109-119	70-227711 <*>
1935 V72 NI P13-17	70-226416 <*>
1936 V76 NI P26-33	70-226417 <*>
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Buzagh.
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pp 169-183
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Sci -
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The Swelling of Activated Charcoal, by P. N. Pawlow,
18 pp.

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Scientific - Chemistry

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Dec 53 CTS

The Double Refraction of Rubber in the Deformed and
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pp 52-56. 9695003
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pp 169-173.
*NBS TT 70-57379

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The Gelling of Fatty Oils, by Johannes Scheißer
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Gesener, H.
SOME STUDIES ON THE SETTING OF CEMENT. II.
[Nov 30] 8p (11pp omitted)
Order from SLA \$1.10

TT-64-14290

Trans. of Kolloid-Zeitschrift und Zeitschrift für
Polymere] (Germany) 1928, v. 47, p. 65-[76].

DESCRIPTIONS: "Cements," "Hardening," "Aging
(Materials)," "Viscosity," "Electrical conductance,"
"Deformation," "Vapor pressure,"

(Materials, TT, v. II, no. 9)

TT-64-14290

I. Gesener, H.

Office of Technical Services

Activation of Carbon with Steam, by P. P.
Kosakowitsch and N. A. Ismailov, p. 10 pp.

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SLA 57-3064

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of the Fehling Solution, by A Dumanski, A Chalisew.
GERMAN. per, Kolloid Zeitschrift, Vol. 47, 1929
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Relationships Between Electro-Kinetic Migration,
Velocity, Peptization and Stability of Coarse-
Disperse Systems, by A Buzagh.
GERMAN, per, Kolloid Zeitschrift, Vol. 48, 1929,
pp 33-43
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Sci -
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Tartaric Acid Method in the Preparation of
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GERMAN, per, Kolloid Zeitschrift, No 47, 1929,
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Sci -
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<p>Andreasen, A. H. M., and Anderson, J. THE RELATION OF GRADING TO INTERSTITIAL VOIDS IN LOOSELY GRANULAR PRODUCTS (WITH SOME EXPERIMENTS). [1962] 19p. 15 refs. Order from SLA \$1.60</p> <p>Trans. of Kolloid-Zeitschrift (Germany) 1929, v. 49, Dec., p. 217-228.</p> <p>DESCRIPTORS: Sand, Cement, Refractory materials, Molding, Pavements.</p> <p>(Unannounced)</p>	<p>62-18017</p> <p>I. Andreasen, A. H. M. II. Anderson, J.</p> <p>62-18017</p> <p>Office of Technical Services</p>
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Def Sci Info Sv, DRB,
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SLA Tr 57-942

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<p>Reiner, Marcus. THE HYDRODYNAMICS OF SYSTEMS OF VARYING VISCOSITY, IV. [1960] 10p. Order from ATS \$12.90 ATS-44M47G Trans. of Kolloid-Zeitschrift [Germany] 1931, v. 54, no. 2, p. 173-181. j51552</p>	<p>61-12791</p> <p>I. Colloids--Viscosity I. Reiner, M. II. ATS-44M47G III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
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Temperature and Stability of Colloidal Solutions,
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GERMANY, per, Kolloid-Zeitschrift, 1931, Vol LIV,
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The Birefringency of Woods Dried in Various Ways,
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GERMANY, per, Kolloid-Zeitschrift, 1931, Vol LXV,
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Vol 3, No 1

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THE VAPOR PRESSURE ISOTHERMS AND THE SUB-MICROSCOPICAL STRUCTURE OF ACTIVE CARBON
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Order from CIA \$3.60

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Trans. of Kolloid-Zeitschrift (Germany) 1931, v. 55, no. 2, p. 129-143.

DESCRIPTORS: *Activated carbon, Absorption, Microstructure, Gases, *Carbonic acids, Water vapor, Benzene, Ether, Chloroform, Nitro radicals, *Vapor pressure.

(Chemistry-Physical, '31, v. 10, no. 7)

63-16756

I. Kubelka, P.

Office of Technical Services

Adsorption of Gases by Active Carbon, by
Remy and Hene.

GERMAN, per, Kolloid Z., Vol LXI, Oct-Dec 1932,
p 313.

*U.K.A.E.A.

Sci - Chem
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Varification of Adsorption Formulae. by
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GERMAN, per, Kolloid Z., Vol LXI, Oct-Dec 1932,
p 323.

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G. Jander.
GERMAN, per, Kolloid-Z., Vol 63, 1933, pp 5-12.
*AEC 127-54

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Viscosimetry of Colloids, Especially Solutions of
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AT&T 54L290

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II Microphotographic Investigations of
Swelling in Spruce and Beech Wood on
Microtome Sections in Transmitted
Light, and on Wood Billets in Incident Light,
by Mr. Beiser.

GERMANY, per, Kolloid-Zeitschrift,
Vol LIV, No 2, 1933, pp 203-221.

CSIRO 4828

Sci - Biol
Jul 62

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The Determination of the Distribution of Forces
According to Their Size in Filters and Filtrations
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GERMAN, per, Kolloid Z., Vol LXIII, No 3, 1933,
pp 277-285.

ATS 452-GJ

Sci - Chem

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Ageing of Gelatinous Basic Zinc Salts. Topo-
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stances, by W. Feitknecht.
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Formation of metal hydrides with Atomic Hydrogen,
II. Investigations with the Tantalum-hydrogen
System, by Erich Pietsch, et al.
Gesell., pfr, Kolloid Zeit, Vol 68, 1934,
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*ABC ORNL-tr-1570

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The Limits of the Use of Ultrafiltration
for the Detection of the Colloid State,
by B. Brechler. 29 f.p.

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ANNE, Howell
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B. Derjaguin, 23 pp.
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Tantalum-Hydrogen System, by Erich Pietsch,
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ABC OSNL Tr-1570

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Sci - Chemistry
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Röntgenoscopy and Electron Spectroscopy of
Inorganic Gels, Particularly Hydroxides and Oxides,
by R. Fricke. UICL

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RAE 840

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Use of a Simple Beaker Centrifuge for the
Determination of Particle Size in Colloidal
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pp 135-142.
AERC LIB/Trans 234

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<p>Philippoff, W. THE THEORY OF STRUCTURE VISCOSITY, I. [1960] 19p Order from ATS \$25.65</p> <p>Trans. of Kolloid-Zeitschrift [Germany] 1935, v. 71, no. 1, p. 1-16.</p> <p>ATS-45M47G</p> <p>151900</p> <p>(Unannounced)</p>	<p>61-12785</p> <p>I. Colloids--Viscosity I. Philippoff, W. II. ATS-45M47G III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS/96L-GJ</p> <p>Office of Technical Services</p>
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Hydroxide Gels and Hydrated Oxide Gels, and Their
Aphoteric Properties. 22. Amorphous and Crystal-
lized Oxide Hydrates and Oxides by A. Krause.

GERMAN, per, Kolloid-Zeitschrift, Vol LXXII, No 1,
1935, pp 18-25.

CSIRO Tr 4215

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<p>Velisek, J. and Vasicek, A. STUDIES ON THE STRUCTURE OF CERAMIC DIAPHRAGMS BY MEANS OF ELECTRIC MEASURE- MENTS. [1962] 14p. (figs. tables [refs.] omitted). Order from SLA \$1.60</p> <p>Trans. of Kolloid Z[eitschrift] (West Germany) 1935, v. 71, no. 1, p. 36-48.</p> <p>DESCRIPTORS: *Ceramic materials, *Diaphragms (Mechanics), Porous materials, *Capillaries, Measurements, Electrical conductance, Electric potential, Resistance (Electrical), *Surface properties, Thickness, Moisture.</p> <p>(Materials--Ceramics, TT, v. 9, no. 11)</p>	<p>63-10038</p> <p>I. Velisek, J. II. Vasicek, A.</p> <p>Office of Technical Services</p>
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Separation and Properties of High Concentration Sol's.
Part IV: Thorium Hydroxide Sol's, by N. R. Dhar,
M. Mitter, 13 pp.

GERMAN, per, Kolloid Zeitschrift, Vol LXXI, No 2,
1935, pp 172-176. 9087621

AEC ORNL-TM-231

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Investigations of the Fine Structure
of Wood. Part II. The Vapor-Pressure
Lowering of Various Liquids on their
Absorption by Wood and Lignin, by H.
Sachtleben and H. Zocher, 19 pp.

GERMAN, per, Kolloid Z., Vol LXXII, No 3,
1935, pp 336-345.

SMA-57-3292

Sci - Aug 58

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Applications of a Simple Air-driven Centrifuge
to Colloid Chemistry Problems, by
J. W. McBain, R. F. Stusser.
GERMAN, per, Kolloid Zeit, Vol 74, 1936,
pp 10-16.
NLL Ref:58#8.4P (M.13421)

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<p>Philippoff, W. THE THEORY OF STRUCTURE VISCOSITY. II (1). THE FLOW OF STRUCTURE VISCOUS SUBSTANCES. [1960] 17p. Order from AITS \$21.95 Trans. of Kolloid-Z[igtechnik] (Germany) 1936, v. 75, no. 2, p. T42-T54. See also #1-12785.</p> <p>J 5 1 5 5 2</p>	<p>#1-12793</p> <p>I. Colloids--Viscosity I. Philippoff, W. II. Title: Flow... III. ATS-46M47G IV. Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS/962-GJ</p>
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<p>(Unannounced)</p>	

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GERMAN, Kolloid-Z., per, Vol LXXVII, No 2, 1936,
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SIA 57-2511

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Bjornstahl, Y. and Snellman, K. O.
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VISCOSITY OF PURE LIQUIDS AND COLLOIDAL
SUSPENSIONS. + June 59 [28]p. 12 refs.
Order from SLA \$2.60

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I. Bjornstahl, Y.
II. Snellman, K. O.

Trans. of Kolloid-Zent[chrift] (Germany) 1937, v. 78,
no. 3, p. 258-272.

Portions of this report will not reproduce well.

DESCRIPTORS: Liquids, Colloids, Viscosity, Electric
fields.

(Unannounced)

Office of Technical Services

Gründer, W. and Sauer, H.
THE DETERMINATION OF GRANULAR CHARACTERISTICS CURVES AND SURFACES OF DISINTEGRATION PRODUCTS EXEMPLIFIED ON FLOUR.
[1963] [36b]. (refs. omitted).
Order from SLA \$3.60

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Trans. of Kolloid-Zeitschrift (Germany) 1937, v. 79,
no. 3, p. 257-273.

DESCRIPTORS: Particles, *Particle size, *Cereals,
Decomposition, Mathematical analysis, Optical
analysis, *Flour, Determination.

63-14953

I. Gründer, W.
II. Sauer, H.

(Food, TT, v. 10, no. 5)

Office of Technical Services

On the Size of Gas Bubbles in Liquids, by R.
Schnarrschmid,

GERMAN, per, Kolloid Z., Vol LXXX, 1937, pp
148-151.

ASLIB-GB45

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Aug 58

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Sata, Naoyasu.
EFFECT OF ULTRASONIC WAVES ON COLLOID
SOLUBILITY. III. PEPTIZATION OF CARBON IN
ETHYL ETHER. [1961] [10] p. 11 refs.
Order from SLA \$1.10 62-10760

Trans. of Kolloid-Zeitschrift (Germany) 1937, v. 81,
p. 182-187.

DESCRIPTORS: *Colloids, Solubility, *Ultrasonic
radiation, Ethyl ethers, Carbon

62-10760

I. Sata, N.
II. Title: Peptization...

(Unannounced)

Office of Technical Services

Scheibe, G.

REVERSIBLE POLYMERIZATION AS THE CAUSE
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(Reversible Polymerisation als Ursache Neuartiger
Absorptionsbanden von Farbstoffen). [1962] [37]p.
(foreign text included) 19 refs.

Order from SLA \$3. 60

62-16491

Trans. of Kolloid-Zeitschrift (Germany) 1938, v. 82,
no. 1, p. 1-14.

DESCRIPTORS: *Polymerization, Absorption spectra,
Dyes, Polarization, Molecular association

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I. Scheibe, G.

(Unannounced)

Office of Technical Services

Contributions to the Chemical Characterization and
Analytical Investigation of Peat, by S. W. Souci.

GERMANY, per, Molloid Zeitschrift, Vol LXXXII, 1938,
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Pittsburgh, Pa. No 340

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New Practices and Methods for Leather Dyeing,
by Otto Gerhard, 9 pp.

GERMAN, per, Kolloid-Z, Vol LXXXIII, No 1, 1938,
pp 120-128.

SLA 60-14609

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OTS, Vol IV, No 3

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Oct 60

Christiansen Dispersion Filters for High-
Intensity and Selective Monochromators, by
W. Geffcken, GOVERNMENT USE ONLY
GERMANY, per, Kolloid Zeitschrift, Vol LXXXVI,
No 1, 1939, pp 55-60. P200167C67
RSIC-656



Sci-Phys
Jun 67

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Dielectric Constants of Colloidal Systems, by
Erich Heyman, 16 pp.

GERMAN, per, Kolloid Z, Vol LXVI, 1939,
pp 229-235.

AEC Tr 2943

Sci - Chemistry
Oct 57

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Dusting Tendency of Materials, by A. H. M.
Andreasen, N. Hofman-Bang, N. H. Rasmussen.

GERMAN, per, Kolloid Z, Vol LXXXVI, Dresden,
1939, pp 70-77.

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Pittsburgh, Pa.
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Sci - Chem
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of neutrality at membranes traversed by
electric current, by Manegold, E., Kallaeuch, K.,
44pp.

GERMAN, per, Kolloid, Z., 86, no 3, 1939,
p 313-339.

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ATS-50 ENG

Sci

Aug 59

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Hofmann, Ulrich and Giese, Kurt. CATION EXCHANGE IN CLAY MATERIALS [1963] 36p. 37 refs. Order from SLA \$3.60	63-16261 I. Hofmann, U. II. Giese, K.	
Trans. of Kolloid-Zeitschrift (Germany) 1939, v. 87, no. 1, p. 27-56.		
DESCRIPTORS: *Clay minerals, *Clay, *Ion exchange, Ions, X-ray diffraction analysis, Electrodialysis.		
(Chemistry--Physical, TT, v. 10, no. 5)		
Office of Technical Services		

The Disperse Structure of Solid Real Systems
and Its Thermodynamic Foundation, by D.
Bilarew, 18 pp.

GERMAN, per, Kolloid-Zeitschrift, Vol LXXXVIII,
No 2, 1939, pp 161-171.

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Sci - Engineering

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Passivity and Corrosion of Metals,
by W. J. Muller.

GERMAN, per, Kolloid Zeitschrift,
Vol LXXXI, 1939.

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Sci - Min/Met NRCC C-424

Mar 62 Possibly SLA
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<p>Hüttig, Gustav F. and Kosterhau, Kurt. THE TRANSITION OF ANATASE INTO RUTILE AND THE INFLUENCE OF THE PRESENCE OF HYDROGEN CHLORIDE GAS (Der Übergang von Anatase in Rutil und seine Beeinflussung durch die Anwesenheit von Chlorwasserstoffgas. (Aktive Oxide und Reaktionen fester Stoffe. 117. Mitteilung). Communication 117 on Active Oxides and the Reactions of solid substances [1963] 16p. (Foreign text included) 6 refs. Order from SLA \$1.60)</p> <p>Trans. of Kolloid-Z[ettischafft] (Germany) 1939, v. 89, no. 2, p. 202-208.</p> <p>DESCRIPTORS: Solids, Chemical reactions, *Oxides, Phase transitions, *Gases, *Chlorides, *Hydrogen compounds, *Titanium compounds, Dioxides.</p> <p>See also 63-16752 (Physics--Solid State, TT, v. 10, no. 8)</p>	<p>63-16753</p> <p>I. Title: Ausgabe I. Hüttig, G. F. II. Kosterhau, K. III. Title: Active....</p> <p>Office of Technical Services</p>
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Effect of Centrifuging on the Viscosity of Living
Protoplasm, by E. Kuster.
GRITMAN, per, Kolloid Z, Vol 1 LXXXIX, No 2, 1939,
pp 237-238.
CSIRO/No 6597

Sci & Chem
Apr 64

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Aluminum Stearate, by E. Eigenberger, A. Eigenberger-Littner

GERMAN, per, Kolloid Ztschr, Vol XCI, 1940,
pp 287-294.

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Scientific - Chemistry
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On Structure of Cellulose Fibres, by
H. Ruska.

GERMAN, per, Kolloid-Z., Vol XCIX,
p40, pp 276-287.

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Potassium Sulfate Pulp, a New High-Grade Pulp,
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GERMANY, per, Kolloid Z, Vol XCIV, 1941, p 212.

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Investigations With Electrolytically Produced and
Tempered Aluminum Oxide Films by Means of Electron
Interferences and in the Ultramicroscope, by Georg
Hass, Helmut Kehler, 18 pp.

GERMAN, per, Kolloid Z, Vol XCVII, No 1, 1941,
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AEC SCL-T-396

Sci - Phys
Apr 62

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What does the Electron Microscope Reveal Regarding the Structure of Cellulose Fibres,
by W. Wergin.

GERMAN, per, Kolloid-Z., Vol XCVIII, 1942,
pp 131-139.

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The Structure of the Gel of Regenerated
Cellulose Fibres, I: by E. Hubert, A. Matthes,
K. Weisbrod, 12 p.

GERMAN, per, Kolloid Zeit, 1942, Vol XCVIII,
No 2, pp 173-180.

SLA 59-20110

Sci
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Vol 2, No 10

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Kuhn, W.

Relationships Between Elastic Constants and Stretching
Double Refraction of Highly Elastic Substances.
KOLLOID-ZEITSCHRIFT UND ZEITSCHRIFT FUER POLYMERE,
Vol 101, pp 248-271, 1942.
72-60900-11J

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Cemented Carbides Considered From the Viewpoint
of Dispersoid Chemistry. Communication II. by
P. Skaupy.

GERMAN, per, Kolloid Zeitschrift, Vol CII, 1943.

Brutcher Tr 1558

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Permutoids, by H. Kautsky.

GERMAN, per, Ebulliod Z., Vol CII, No 1, 1943, pp
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XXXIV, 17 pp.

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1943, pp 181-189.

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Sci - Chem
Aug 61

Contributions to the Theory of the Viscosity
of the Solutions of Macromolecular Substances,
by F. H. Hermans, J. J. Hermans, D. Vermaas,
16 pp.

GEHWALT, per, Kolloid Z, 1943, Vol CV, No 3,
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SLA 59-10695

Sci - Chem
OHS I, 12
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Temperature Increases of Objects in Electron Microscopes, by Bodo von Borries, Walter Glaser.
GERMAN, per, Kolloid-Zeitschrift, Vol 106, 1944,
pp 123-128. P911043666
ABC ANL-tr-335

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Conversion of Cellulosic Material into Viscose by the Emulsion Method for the Determination of the Viscosity and the Mean Degree of Polymerization. 1. Development of a New Measuring Technique. 2. Application of the Measurements to Celluloses of High Viscosity and Unbleached Pulps, by G. Jayme, J. Wells. GERMAN, per, Kolloid Zeitschrift, Vol. 107, No. 3, 1944, pp 163-170, Vol. 105, No. 1, 1944, pp 20-30.

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Erbring, H. and Lehmann, H.
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[Sjp. 4 refs.
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62-14784

Trans. of Kolloid-Zeitschrift (Germany) 1944, v. 107
[no. 3] p. 201-205.

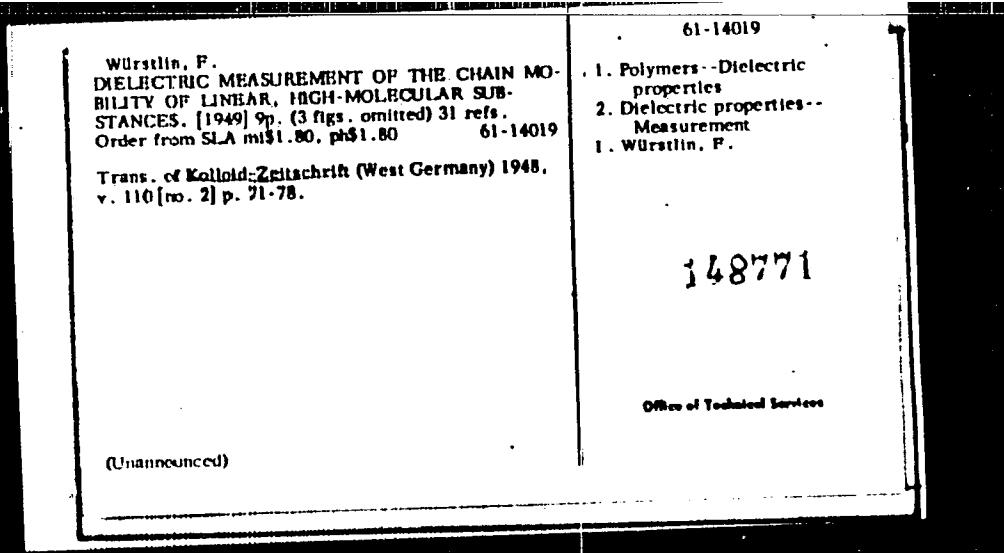
DESCRIPTORS: *Exchange reactions, *Sodium,
*Bentonite, Colloids, Ions, Electrolytes, Pyridines,
Chlorides, Laurates, Sulfates, Ion exchange.

62-14784

I . Erbring, H.
II . Lehmann, H.

(Chemistry--Physical, TT, v. 8, no. 4)

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11 pp.

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pp 125-132.

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CIA/FDD/Z-173

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Structure Mechanics of Rheonomic Systems.
Pt. 14. The Theory of the Filter Effect,
by H. Uinstatter, H. Flaschka, H. Volker.
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fuer Polymere, Vol 110, 1948, pp 214-21.
ATB-435003

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Electric and Magnetic Properties of Ferrromagnetic
Garnet - Iron (III), Oxide in High Frequency
Alternating Field, by Friedrich Wagenknecht, 25 pp.

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- Electricity

Jul 56 CMS/dex

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Auerbach, R[udolf].

THE ELECTRICAL CONDUCTIVITY OF SOLID DIS-PERSOIDS. 4 May 61 [13]p. 7 refs.

Order from SLA \$1.60

61-16531

Trans. of Kolloid-Z[eitschrift] (West Germany) 1949.
v. 112 (no. 1) p. 60-66.

DESCRIPTORS: *Colloids, *Electrical conductance,
*Semiconductors.

Mixtures of disperse conductors or semiconductors with insulating binders show, over a narrow concentration range, a change in electrical resistance of 10^6 to 10^{12} . This critical concentration range moves to lower values as the specific sediment volume of the disperse phase increases. In the critical concentration range, the resistances depend on voltage and, possibly, also on pressure. By forming the solidifying dispersing agent in an electric field, direction-dependent resistances are produced. (Author)

61-16531

I. Auerbach, R.

180466

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(Chemistry--Physical, TT, v. 6,
no. 3)

Spontaneous Demulsification Due to Negative Interfacial Tension, by M. V. Stackelberg, et al.

GERMAN, per, Kolloid Z., Vol. CXV, No 1-3, 1949,
pp 53-66.

AMIS 465-GJ

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Dervichian, D. G.

THE PHASE EQUILIBRIUM IN COLLOIDAL SOLUTIONS
[Das Phasengleichgewicht in Kolloiden Lsungen].
[1963] 11p. (figs. omitted) 34 refs.
Order from SLA \$1.60

63-16474

Trans. of Kolloid-Zeitschrift (West Germany) 1949,
v. 115 [no. 1/3] p. 76-82.

DESCRIPTORS: "Phase studies, *Colloids, Proteins,
*Albumins, Salts, *Cellulose acetates, *Soaps,
Solvents, Water, Chlorofibrin, Ethanol, Solutions,
Chemical precipitation.

The domains of existence were determined for the
different types of phases (isotropic solutions, isotropic
liquid precipitates, anisotropic liquid precipitates and
solid precipitates) that can exist together in different
colloidal systems when one varies the solubility con-
(Chemistry--Physical, TI, v. 10, no. 6) (over)

63-16474

1. Dervichian, D. G.

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<p>Joly, M. INVESTIGATIONS INTO THE CONVERSION OF SOME COLLOIDAL SYSTEMS WITH THE HELP OF STREAMING BIREFRINGENCE. [1963] 10p. (figs. omitted) 44 refs. Order from SLA \$1.10</p> <p>Trans. of <i>Kolloid-Zeitschrift</i> (West Germany) 1949, v. 115, no. 1/3, p. 183-189.</p> <p>DESCRIPTIONS: *Colloids, Gels, *Gelatin, Serum albumin, Agglutination, Molecular association, Heat treatment, Refraction.</p> <p>It is shown to what extent the determination of the angle of extinction of average concentrated colloidal system, corresponding to the streaming birefringence, permits one to follow the evolution with great accuracy, with time and under the effects of different chemical or physical agents. A detailed study is made of the (Chemistry--Physical, IV, v. 10, no. 7) (over)</p>	<p>63-16475</p> <p>I. Title & Brief Description I. Joly, W.</p> <p>Office of Technical Services</p> 
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The Chromatography of Soluble Starch, by
M. Ullmann.
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1950, pp 10-18.
NTC 69-12670-07D

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Investigation on Cellulose Fibres. 10th Report on
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Cellulose Fibres, by K. Lauer.

GERMAN, per, Kolloid-Zeitschrift, Vol CXVI, 1950,
pp 28-31.

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GERMAN, per, Kolloid Z, Vol CXIX, 1950, pp 23-38.

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<p>Sippel, A. THE QUESTION OF CELLULOSE MODIFICATIONS. [1961] 4p. (figs., omitted) 3 refs. Order from SLA m\$1.80, ph\$1.80 61-14020 Trans. of Kolloid-Zeitschrift (West Germany) 1960, v. 119, no. 1, p. 42-45.</p> <p>(Physics--Molecular, TT, v. 5, no. 12)</p>	<p>61-14020 1. Cellulose--Molecular structure 1. Sippel, A. 151469 Office of Technical Services</p>
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The Theory of Adsorption. I-III, by G. Thiemer,
G. F. Hiltig, 24 pp.

GERMAN, per, Kolloid Zeitschrift, Vol CXIX,
1950, pp 69-73, 157-160.

S.L.A. Tr No 271/1955

Sci - Physics
Jan 1957 CIS/dex

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L.P. 2/65

RLC 27

R-564

Determination of the Crystalline Portion in a
Macromolecular System by Means of X-Rays,
by Hermans

GERMAN, per, Kolloid Zeitschrift, VOL. EXX, pp 3-9

*JPRS for ARGMA

May 61

Orientation States in High Polymers, by W. Kast,
26 pp.

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AEC SCL-T-690

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X-ray Study of the Processes of Deformation in
Hermann's Hydrate Cellulose Filaments, by O.
Kratky, G. Porod, E. Treiber, 32 pp.

GERMAN, per, Kolloid-Zeitschrift, Vol CXXI,
No 1/2, 1951, pp 1-20.

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1, pp 57-64.

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Change of State in Dilute Starch Solutions,
Part I. Chromatography, by M. Ulmann.
GERMAN, per, Kolloid-Zeit, Vol 123, No 2/3
1951, pp 103-113.
NTC 69-12671-07D

Sci-Chem
Aug 69

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Relationships between the Development in Time of
the Surface Tension of Wetting Agent-Solutions
and the Speed of Wetting, by H. Lange, 13 pp.

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SLA 57-3052

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GERMAN, per, Part IV. Kolloid Zeitschrift, Vol 122,
1951, pp 35-36.

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Process Skimming, by E. Herrmann, 28 pp.
et al.

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Preparation of Vinyl Esters Patent Literature,
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pp 60-83. 9220773
AEC-SC-T#-64-42

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Uberreiter, K. and Neng, S.
SPECIFIC HEAT, SPECIFIC VOLUME, TEMPERATURE AND HEAT CONDUCTIVITY OF HIGHPOLYMERS. I. DISTYRENE AND HIGHPOLYMER STYRENE. [1963] 11p (figs tables refs omitted)
Order from SLA \$1.60 TT-63-20536

Trans. of Kolloid-Zeitschrift [und Zeitschrift für Polymere] (West Germany) 1951, v. 123, p. 92-[99].
(Abstract available)

DESCRIPTORS: *Styrenes, Styrene plastics,
*Thermochemistry, Specific heat, Thermal conductivity, Density, Polymers,

The specific heat, the temperature conductivity and the specific volume of distyrene and a polystyrene with the polymerization-degree of 33 have been measured in the freezing range and the heatconductivity was calculated. The curve of the specific heat shows the known jump in (Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20536

- I. Title: Distyrene
- II. Uberreiter, K.
- III. Neng, S.

Office of Technical Services